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## SEQUENCE LISTING

&lt;110&gt; Bayer AG, BHC

<120> Diagnostics and Therapeutics for Diseases Associated with G-Protein  
Coupled Receptor AdipoR2 (AdipoR2)

&lt;130&gt; Le A 36 902

&lt;160&gt; 5

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 3500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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&lt;210&gt; 2

&lt;211&gt; 258

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

- 3 -

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          20           25           30
Cys Leu Gly Ile Phe Tyr Met Phe Arg Pro Asn Ile Ser Phe Val Ala
          35           40           45
Pro Leu Gln Glu Lys Val Val Phe Gly Leu Phe Phe Leu Gly Ala Ile
          50           55           60
Leu Cys Leu Ser Phe Ser Trp Leu Phe His Thr Val Tyr Cys His Ser
65           70           75           80
Glu Gly Val Ser Arg Leu Phe Ser Lys Leu Asp Tyr Ser Gly Ile Ala
          85           90           95
Leu Leu Ile Met Gly Ser Phe Val Pro Trp Leu Tyr Tyr Ser Phe Tyr
          100          105          110
Cys Asn Pro Gln Pro Cys Phe Ile Tyr Leu Ile Val Ile Cys Val Leu
          115          120          125
Gly Ile Ala Ala Ile Ile Val Ser Gln Trp Asp Met Phe Ala Thr Pro
          130          135          140
Gln Tyr Arg Gly Val Arg Ala Gly Val Phe Leu Gly Leu Gly Leu Ser
145          150          155          160
Gly Ile Ile Pro Thr Leu His Tyr Val Ile Ser Glu Gly Phe Leu Lys
          165          170          175
Ala Ala Thr Ile Gly Gln Ile Gly Trp Leu Met Leu Met Ala Ser Leu
          180          185          190
Tyr Ile Thr Gly Ala Ala Leu Tyr Ala Ala Arg Ile Pro Glu Arg Phe
          195          200          205
Phe Pro Gly Lys Cys Asp Ile Trp Phe His Ser His Gln Leu Phe His
          210          215          220
Ile Phe Val Val Ala Gly Ala Phe Val His Phe His Gly Val Ser Asn
225          230          235          240

Leu Gln Glu Phe Arg Phe Met Ile Gly Gly Gly Cys Ser Glu Glu Asp
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Ala Leu

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&lt;210&gt; 3

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; artificial sequence

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&lt;220&gt;

&lt;223&gt; forward primer

&lt;400&gt; 3

catgggtgtct caaacctcca

20

&lt;210&gt; 4

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; reverse primer

&lt;400&gt; 4

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20

&lt;210&gt; 5

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; probe

&lt;400&gt; 5

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23